

STATE OF CALIFORNIA – CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
**SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD**  
1515 CLAY STREET, SUITE 1400  
OAKLAND, CALIFORNIA 94612

**APPLICATION FOR 401 WATER QUALITY CERTIFICATION  
AND/OR REPORT OF WASTE DISCHARGE**

(FORM R2C502-E)

1. <b>APPLICANT'S NAME</b> Diane Heinze, Environmental Assessment Supervisor	4. <b>AUTHORIZED AGENT'S NAME AND TITLE</b> (an agent is not required) N/A
2. <b>APPLICANT'S ADDRESS</b> Port Of Oakland, Environmental Programs & Planning 530 Water Street, 2 <sup>nd</sup> Floor Oakland, Ca 94607	5. <b>AGENT'S ADDRESS</b> N/A
3. <b>APPLICANT'S PHONE &amp; FAX NOS.</b> (email optional) (510) 627-1759 (510) 465-3755 (Fax) Dheinze@Portoakland.Com	6. <b>AGENT'S PHONE &amp; FAX NOS.</b> (email optional) N/A

<b>7. STATEMENT OF AUTHORIZATION</b> I hereby authorize _____ N/A _____ to act on my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.  ----- <div style="display: flex; justify-content: space-between;"><div><b>APPLICANT'S SIGNATURE</b> (This must be signed by the Applicant, <u>not</u> the authorized agent)</div><div><b>DATE</b></div></div>	
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**PROJECT OR ACTIVITY INFORMATION**

8. <b>PROJECT NAME OR TITLE</b> (See Instructions.) Oakland International Airport (OAK) Runway Safety Area (RSA) Improvement Project		
9. <b>NAME OF AFFECTED WATERBODY(IES)</b> (See instructions.) Jurisdictional Delineated Non-Tidal Wetlands And Waters Of The U.S.	10. <b>PROJECT STREET ADDRESS</b> (if applicable) 1 Airport Drive, Oakland, California 94621	
11. <b>LOCATION OF PROJECT</b> <div style="display: flex; justify-content: space-between;"><div><u>Alameda</u> COUNTY</div><div><u>Oakland</u> CITY/TOWN (or unincorporated)</div><div><u>Region 2 – San Francisco Bay</u> REGIONAL WATER BOARD REGION</div></div>		

12. <b>OTHER LOCATION DESCRIPTIONS</b> (watershed, latitude & longitude, river mile, etc. Attach map. See instructions.) North and South Fields of Oakland International Airport (OAK)- (see Supplemental Information, Figures: 1, 2A, 2B and 3) Latitude: °N 37°43'17.48" Longitude: °W -22°13'15.43" Section 33 Township 2 south Range 3 West Mount Diablo Base and Meridian Oakland International Airport (OAK or the Airport) is in the City of Oakland (with a small portion in the City of Alameda), California, approximately two miles west of Interstate 880 (I-880), approximately seven miles south of downtown Oakland, and adjacent to the cities of Alameda and San Leandro. The airport sits on former baylands at the foot of the Airport Channel watershed.
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13. <b>DIRECTIONS TO THE SITE</b> From downtown Oakland take 880 south to the 98th Avenue exit, turn right at the stoplight. Continue straight (southwest) to Airport Drive.
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**14. PROJECT PURPOSE** (Describe the reason or purpose for the overall project. See instructions.)

The purpose of the OAK RSA Improvement Project (Proposed Project) is to comply with federal law and Federal Aviation Administration (FAA) airport design standards. It is not a capacity enhancing project, and would not result in any associated increase in aviation activity at OAK. The Transportation Treasury, Housing and Urban Development, the Judiciary, the District of Columbia, and Independent Agencies Appropriations Act, 2006 [Public Law (PL) 109-115]. Specifically, PL 109-115 mandates that the Port improve OAK to comply with FAA design and safety standards by December 31, 2015. The applicable airport design requirements are included in FAA Advisory Circulars (AC) and Orders (AC 150/5300-13, Airport Design and FAA Order 5200.8, Runway Safety Area Program).

An RSA is a defined surface surrounding a runway (500 feet wide, centered on the runway centerline, and extending 1,000 feet beyond each runway end for commercial runways) that enhances the safety of runways and reduces the risk of damage to aircraft in the event of an undershoot, overshoot, or excursion from the runway. RSAs also provide runway accessibility for firefighting and rescue equipment. Because the Airport was built before the current RSA requirements were adopted in the late 1980s, most of the RSAs do not meet FAA design standards, including at OAK.

The FAA requires that RSAs be:

- (1) Cleared and graded and have no potentially hazardous ruts, humps, depressions, or other surface variations;
- (2) Drained by grading or storm sewers to prevent water accumulation;
- (3) Capable, under dry conditions, of supporting snow removal equipment, aircraft rescue and firefighting equipment, and the occasional passage of aircraft without causing structural damage to the aircraft; and
- (4) Free of objects, except for objects that need to be located in the runway safety area because of their function.

Accordingly, the Proposed Project will require filling in non-tidal wetlands and waters of the U.S. within the RSAs in order to meet FAA safety requirements. Other modifications are also required in the Airport Operations Area to ensure that compliance with PL 109-115 does not negatively affect airport operations. Related improvements that result in the fill of non-tidal wetlands and waters of the U.S. include constructing taxiway pavement to accommodate shifts in runway thresholds, relocation of vehicle service roads, and repositioning of FAA navigational aids.

**15. DESCRIPTION OF ACTIVITY AND ENVIRONMENTAL IMPACTS** (Provide a full, technically accurate description of the entire activity and associated environmental impacts. See instructions.)

Improve RSAs at four runways at OAK to comply with federal law and FAA design standards; see attached Supplemental Information.

**16. AVOIDANCE OF IMPACTS** (Describe efforts to avoid and minimize impacts to waters of the State. See instructions.)

As described above, the Proposed Project will require filling non-tidal wetlands and waters of the U.S. within the RSA in order to comply with FAA safety and design requirements. Therefore, these impacts to non-tidal wetlands and waters of the U.S. are unavoidable. See attached Supplemental Information.

**17. ENVIRONMENTAL DOCUMENTS** (list any non-CEQA environmental documents that have been prepared for the project and/or the project site. Provide the date of the document and the name of the individual, firm, or agency that prepared it. Provide a copy of delineations and endangered species surveys. See instructions.)

Verification of Jurisdictional Delineation, Army Corps of Engineers, dated March 15, 2011 (See Appendix D)

Biological Assessment, Oakland International Airport Runway Safety Area Improvement Project, prepared by URS Corp, dated February 28, 2012

Biological Opinion, Oakland International Airport Runway Safety Area Improvement Project, USFWS, dated June 29, 2012.

Final Environmental Assessment, prepared by URS Corporation for FAA and Port of Oakland, dated August 2012

Draft Initial Study/Mitigated Negative Declaration, prepared by URS Corporation, dated March 20, 2012.

Oakland International Airport Runway Safety Area Improvement Project - Snowy Plover and Least Tern Surveys and Special-Status Plant Survey, prepared by URS Corporation, dated May 22, 2012 (See Appendix E)

Oakland International Airport Runway Safety Area Improvement Project - Snowy Plover and Least Tern Surveys and Special-Status Plant Survey, prepared by URS Corporation, dated July 6, 2012 (See Appendix F)

### DREDGE & FILL INFORMATION

18. The following items must be completed for each action where fill or other material will be temporarily (T) or permanently (P) discharged to a wetland or other waterbody, and where material will be dredged from a waterway (add additional pages as necessary). Provide a map showing the location of each action (See instructions):

Map Location Number	LOCATION (show on plan & indicate waterbody)	REASON FOR ACTION (See instructions)	AMOUNT AND TYPE OF MATERIAL (in cubic yards, see instructions)	SURFACE AREA OF FILL (in acres and/or linear feet; specify (T) or (P); see instructions)
Fig. 6	Runway 27 R- 27 L	Comply w/RSA standards: improve RSA ground surface; relocate vehicle service road	See Supplemental Information, Table 1A and Figure 12	(P); (T); See Supplemental Information, Table 1B and Figure 6.
Fig. 7	Runway 9R	Comply w/RSA and FAA airport design standards: relocate vehicle service road, improve RSA ground surface	See Supplemental Information, Table 1A and Figure 12	(P); (T); See Supplemental Information, Table 1B and Figure 7
Fig. 8	Runway 11 (End)	Comply w/RSA and FAA airport design standards: taxiway, improve RSA ground surface, glide slope (navigational aid)	See Supplemental Information, Table 1A and Figure 12	(P); (T); See Supplemental Information, Table 1B and Figure 8
Fig. 9	Runway 11 (New Taxiway)	Comply w/RSA and FAA airport design standards: taxiway, improve RSA ground surface	See Supplemental Information, Table 1A and Figure 13	(P); (T); See Supplemental Information, Table 1B and Figure 9
Fig. 11	Runway 29	Comply w/RSA and FAA airport design standards; taxiway; improve RSA ground surface	See Supplemental Information, Table 1A and Figure 13	(P); (T); See Supplemental Information, Table 1B and Figure 11
			Total: 75,238 CY (P)	Total: up to 14.56 acres (P)
				Total: up to 1.81 acres (T)

### MITIGATION

19. **MITIGATION** (Describe the size, type, and functions, and values of the proposed mitigation. Describe success criteria, monitoring, and long-term funding, management, and protection of the mitigation site. Attach a Mitigation Plan if needed. See instructions and contact Regional Board staff for additional assistance.)

Please see attached Supplemental Information.

### CEQA

20. **CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) Documents:** Indicate the status of CEQA documents prepared for the project (see instructions).

TYPE OF DOCUMENT	STATUS	DATE COMPLETED (or expected to be complete)	TYPE OF DOCUMENT	STATUS	DATE COMPLETED (or expected to be complete)
Initial Study	In Preparation	9/1/12	Notice of Preparation	Not Applicable	

Draft Environmental Impact Report	Not Applicable		Final Environmental Impact Report	Not Applicable	
Negative Declaration	Not Applicable		Mitigated Negative Declaration	In Preparation	9/1/12
Notice of Categorical Exemption Exemption Number:	Not Applicable		Notice of Statutory Exemption Exemption Number:	Not Applicable	
Other (describe)	-Choose One-				
Notice of Determination*	In Preparation	9/1/12	*Note: A Notice of Determination or Notice of Exemption from the Lead Agency is required before a certification or waiver can be issued.		
Lead Agency: Port of Oakland		Contact: Diane Heinze		Telephone: 510-627-1759	
State Clearing House Number: 2012032050 _____					

### ADDITIONAL INFORMATION

21. HAS ANY PORTION OF THE WORK BEEN INITIATED? YES ☐ NO ☒  
 IF YES, DESCRIBE THE INITIATED WORK, and explain why it was initiated prior to obtaining a permit. Indicate whether any enforcement action has been taken against the project.

22. HAS A FEDERAL AGENCY OR THE APPLICANT PROVIDED PUBLIC NOTICE OF THIS APPLICATION FOR WATER QUALITY CERTIFICATION?

Federal Agency: YES ☒ NO ☐ Date: 4/2/2012 Type of Notification: Public Notice Agency Name and Contact: USACE, Katerina Galacatos

Applicant: YES ☒ NO ☐ Date: 3/20/2012 Type of Notification: CEQA Draft IS/MND via NOI/NOA Media Name and Contact: Oakland Tribune, Jeffrey Kwan

IF PUBLIC NOTICE HAS NOT BEEN MADE, provide the name, address, and phone number (if available) of adjacent property owners, lessees, etc., and any other parties known to be interested in the project:

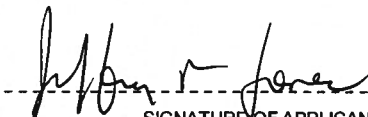
23. OTHER PERMITS (List other local, state or federal licenses, permits, and agreements that will be required for any construction, operation, maintenance, or other actions associated with the project. Attach copies of all draft or final documents. See instructions.)

AGENCY	CONTACT (with phone number)	TYPE OF APPROVAL	PERMIT OR ID NUMBER	DATE AP- PLIED	STATUS	DATE OF ACTION
US Corps of Engrs.	Katerina Galacatos, (415) 503-6778	404 Permit/404(b)(1)	252600S	3/2/12	In Review	
US Fish Wildlife	Andrew Raabe, (916) 414-6679	§ 7 Formal Consultation, BA/BO	08ESMF00-2012	2/28/12	Approved	6/29/12
SWRCB	RWQCB	General Construction Permit	CAS000002		-Choose One-	
-Choose One-	CA DOT, Donald Haug, (916) 654-5174	Amended Airport Permit	ALA-001	4/10/12	In Review	
-Choose One-					-Choose One-	
BCDC	BCDC, Jaime Michaels, (415) 352-3613	Shoreline Maintenance Permit	M1989.75		Approved	
SHPO	Tristan Tozer, (916) 445-7027	§ 106 No effect determination	FAA111230A	12/30/11	Approved	
NMFS	Dan Logan (ESA) : (707) 575-6053	No effect concurrence	N/A	2/28/12	Approved	
Other or Local Agency					-Choose One-	

24. OTHER PROJECTS (List and describe other projects implemented or planned that are related to the proposed project, or that may impact the same waterbody. See instructions. Add additional sheets if necessary.)

PROJECT NAME	DESCRIPTION	WATERBODY AND WATERSHED	DATE IMPE- MENTED/PLANNED
Airport Perimeter Dike Project	Improving the protective dike that forms the barrier between OAK and the San Francisco Bay for seismic events and flood control.	San Francisco Bay	Construction is estimated to occur between 2012 and 2015; in planning at present.
Reconstruction of Pump House 6	Within the next 5 years, the Port plans to reconstruct Pump House 6, which drains part of the South Field commercial airport, and upgrade stormwater drainage equipment..	Fore bay to Pump House 6 and tidal lagoon (muted connection to San Francisco Bay)	Construction is expected to begin in 2012; in planning at present.


25. Application is hereby made for a permit or permits to authorize the work described in this application. I certify, under penalty of perjury, that this application is complete and accurate to the best of my knowledge. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.



SIGNATURE OF APPLICANT

8/16/12

DATE

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SIGNATURE OF AGENT

DATE

The application must be signed by the person who desires to undertake the proposed activity (Applicant) or a duly authorized agent if the statement in Block 7 has been filled out and signed.

Attach fee deposit (see Instructions page 7) and any additional documents and submit this application to:

**SFBRWQCB**  
**Attention: 401 Water Quality Certification**  
**1515 Clay Street, Suite 1400**  
**Oakland, CA 94612**

Note: This form, FORM R2C502-E, was designed for electronic use as a Microsoft Word document or template.  
 For assistance using this form or to relay suggestions on how it may be improved, please call 510-622-2330.  
 If you would like a standard, non-electronic form, please call 510-622-2300 and request  
 401 Application FORM R2C502 – Non-electronic version.

